

Massachusetts Recovery: Clean Energy Dollars at Work

Southeastern Massachusetts Project Summaries

Recovery Grants and Projects

Acushnet - \$150,000

- The town of Acushnet used funding to install a 20 kW Solar PV installation at the Fire Station.

Barnstable, Asclepius Corp. - \$40,880

- Commonwealth Solar rebate from the Massachusetts Clean Energy Center (MassCEC) for a 28 kW system.

Barnstable, Cape Cod Community College - \$173,569

- Funding will support the implementation of an Enterprise Energy Management System, including installation of real-time building-level metering of electricity and gas at ten buildings totaling 325,994 square feet.

Barnstable, Cape Cod Cooperative Bank - \$72,020

- Commonwealth Solar rebate from the MassCEC for a 60 kW system.

Barnstable, Cape Cod Organic Farm - \$14,760

- Commonwealth Solar rebate from the MassCEC for a 10 kW system.

Barnstable, Housing Assistance Corporation - \$9,600

- Commonwealth Solar rebate from the MassCEC for a 6 kW system.

Barnstable, Housing Assistance Corporation - \$21,420

- Commonwealth Solar rebate from the MassCEC for a 14 kW system.

Barnstable, Rogers and Gray Insurance Agency, Inc. - \$52,500

- Commonwealth Solar rebate from the MassCEC for a 41 kW system.

Bourne, Canal Bluffs - \$70,780

- Commonwealth Solar rebate from the MassCEC for a 58 kW system.

Bridgewater, Bridgewater Correctional Complex - \$840,357

- Funding will support the implementation of an Enterprise Energy Management System, including installation of real-time building-level metering of electricity and gas at 37 buildings totaling 213,416 square feet at Bridgewater State Hospital, Massachusetts Treatment Center, Massachusetts Alcohol and Substance Abuse Center, and Old Colony Correctional.

Bridgewater, Bridgewater State University - \$140,000

- Stimulus funds will leverage \$351,625 in outside capital to fund the installation of a 103.5 kW solar PV system at Bridgewater State University's Crimson Hall.

Brockton, Massasoit Community College - \$925,700

- \$925,750 will fund the installation of a 300 kW roof-mounted Solar PV system at Massasoit Community College.

Buzzards Bay, Massachusetts Maritime Academy - \$334,336

- Funding will support the implementation of an Enterprise Energy Management System, including installation of real-time building-level metering of electricity and gas at 19 buildings totaling 497,539 square feet.

Canton - \$150,000

- The town of Canton will use grant funding to convert the heating system from steam to hot water at the Rodman Preschool/Administration Building, as part of a larger energy savings performance contract for the Canton Public Schools.
- The town of Canton has also received an award of technical assistance consulting services to assist with both projects.

Canton, Bay State School of Technology - \$100,280

- Commonwealth Solar rebate from the MassCEC for an 88 kW system.

Canton, Massachusetts Hospital School - \$321,494

- Funding will support the implementation of an Enterprise Energy Management System, including installation of real-time building-level metering of electricity and gas at 21 buildings totaling 442,732 square feet.

Canton, Canton Housing Authority - \$68,000

- Stimulus funds will leverage \$149,075 to fund the installation of a 46.7 kW solar PV system at the Department of Housing and Community Development Canton Housing Authority.

Carver - \$150,000

- The town of Carver will use grant funding to support a power purchase agreement for a ground-mounted 112 kW solar PV system located on a highway embankment on Route 44. The system will supply power to the Carver Waste Water Treatment Facility.
- The town of Carver has also received an award of technical assistance consulting services to assist with this project.

Carver, Edgewood Bogs - \$28,350

- Commonwealth Solar rebate from the MassCEC for a 24 kW system.

Carver, Massachusetts Correctional Institution- Plymouth - \$156,695

- Funding will support the implementation of an Enterprise Energy Management System, including installation of real-time building-level metering of electricity and gas at 22 buildings totaling 54,560 square feet.

Chatham, Pleasant Bay Village Motor Court - \$32,130

- Commonwealth Solar rebate from the MassCEC for a 21 kW system.

Chilmark, Grey Barn Real Estate Holdings - \$25,920

- Commonwealth Solar rebate from the MassCEC for a 17 kW system.

Dartmouth – University of Massachusetts Dartmouth \$671,600

- Stimulus funding will help finance the installation of a 269kW roof-mounted solar PV system at UMass Dartmouth.

Dennis - \$77,423

- The town of Dennis used funding to install a 17 kW solar PV system at the Police Station.

Dennis, Nickerson Lumber Company Bldg 9 - \$86,560

- Commonwealth Solar rebate from the MassCEC for a 75 kW system.

Dennis, Nickerson Lumber Company Main Bldg - \$47,000

- Commonwealth Solar rebate from the MassCEC for a 35 kW system.

Edgartown - \$122,900

- The town of Edgartown used funding to install a 15 kW Solar PV system at the wastewater treatment facility.

Edgartown, Massachusetts Audubon Society, Felix Neck - \$21,600

- Commonwealth Solar rebate from the MassCEC for a 14 kW system.

Fairhaven - \$150,000

- The town of Fairhaven will enter into a power purchase agreement to install a 500 kW ground-mounted Solar PV system located at the capped town landfill in order to provide clean power to the Hastings Middle School.

Fairhaven, Harbor Blue Seafood, Inc., Shed Bldg - \$47,780

- Commonwealth Solar rebate from the MassCEC for a 35 kW system.

Fairhaven, Harbor Blue Seafood, Inc., Dock Bldg - \$65,105

- Commonwealth Solar rebate from the MassCEC for a 121 kW system.

Fall River, Blount Seafood Corporation - \$112,550

- Commonwealth Solar rebate from the MassCEC for a 100 kW system.

Fall River, Spectrum Lighting - \$71,300

- Commonwealth Solar rebate from the MassCEC for a 59 kW system.

Falmouth - \$148,500

- The town of Falmouth will use funding to install a 27 kW Solar PV system at the Town Hall.

Falmouth, R and P Falmouth Trust - \$113,005

- Commonwealth Solar rebate from the MassCEC for a 101 kW system.

Falmouth, Rapoza Landscaping - \$14,400

- Commonwealth Solar rebate from the MassCEC for a 10 kW system.

Foxborough - \$150,000

- The town of Foxborough will use funding to install a 25 kW Solar PV system at the Highway Department garage.

Hanover, RD Matthews Construction Company, Inc. - \$119,310

- Commonwealth Solar rebate from the MassCEC for a 114 kW system.

Harwich - \$140,000

- The town of Harwich will use funding to install a 16 kW Solar PV system at the Harwich Public Safety Facility,

Lakeville, IBEW Local 223 - \$62,336

- Commonwealth Solar rebate from the MassCEC for a 50 kW system.

Lakeville, Island terrace Nursing Home (Ground Mount) - \$72,350

- Commonwealth Solar rebate from the MassCEC for a 60 kW system.

Lakeville, Island terrace Nursing Home (Roof Mount) - \$52,610

- Commonwealth Solar rebate from the MassCEC for a 40 kW system.

Mashpee - \$150,000

- The town of Mashpee will enter into a power purchase agreement for two Solar PV installations with a total size of 350 kW at Mashpee High School.

Mashpee, Anchor Self Storage of Mashpee, LLC - \$132,880

- Commonwealth Solar rebate from the MassCEC for a 140 kW system.

Mashpee, Coastal Sun Storage, LLC - \$153,235

- Commonwealth Solar rebate from the MassCEC for a 181 kW system.

Middleborough, 4M16 Commerce, LLC - \$162,320

- Commonwealth Solar rebate from the MassCEC for a 200 kW system.

New Bedford, Correira Auto Body - \$57,580

- Commonwealth Solar rebate from the MassCEC for a 45 kW system.

New Bedford, Howland Place LTD - \$141,390

- Commonwealth Solar rebate from the MassCEC for a 158 kW system.

Needham - \$86,244.95

- The town of Needham will use grant funding towards a new energy management system at the Hillside Elementary School.

Norton - \$150,000

- The town of Norton used funding to install a 25.8 kW Solar PV system at Norton Middle School.

Norwell - \$150,000

- The town of Norwell will use funding to install a 66 kW Solar PV system at the Norwell Middle School.

Orleans - \$122,480

- The town of Orleans will use funding to install a 14.7 kW system at the Orleans Council on Aging building.

Plymouth, 4M 6 Resnick - \$112,540

- Commonwealth Solar rebate from the MassCEC for a 100 kW system.

Plympton - \$150,000

- The town of Plympton will use funding to implement thermal efficiency measures at the Town Hall; including window replacements, heating and cooling system upgrades and a new hot water heater.

Rehoboth - \$150,000

- The town of Rehoboth used funding to install a 41 kW Solar PV system at the Rehoboth Highway Department Garage.

Rockland - \$150,000

- The town of Rockland will use funding to install a 24 kW Solar PV system at R. Stewart Elementary School.

Swansea, GAR Swansea Liquor, Inc. - \$40,880

- Commonwealth Solar rebate from the MassCEC for a 28 kW system.

Seekonk - \$150,000

- The town of Seekonk used funding to install a 31 kW Solar PV system at the Public Works Department garage.

Taunton, First Taunton Group, Inc. - \$16,200

- Commonwealth Solar rebate from the MassCEC for an 11 kW system.

Taunton, First Taunton Group, Inc. - \$20,250

- Commonwealth Solar rebate from the MassCEC for a 15 kW system.

Tisbury, Northern Pines Farm - \$72,350

- Commonwealth Solar rebate from the MassCEC for a 60 kW system.

Truro - \$90,000

- The town of Truro will use funding to install a 25kW solar PV system on the roof of the Truro Central School.

Walpole, Massachusetts Correctional Institution- Cedar Junction - \$257,600

- Stimulus funds will help finance the installation of a 103 kW roof-mounted self-tracking solar PV system at the Department of Correction Cedar Junction Correctional Institution.

Wellfleet - \$145,000

- The town of Wellfleet used funding to install a 29 kW Solar PV system at the Fire Station.

Wellfleet, Mainstay Motor Inn - \$75,290

- Commonwealth Solar rebate from the MassCEC for a 63 kW system.

West Bridgewater, Stanley Urban (Farm) - \$18,285

- Commonwealth Solar rebate from the MassCEC for a 12 kW system.

Yarmouth, Luke's Market - \$154,305

- Commonwealth Solar rebate from the MassCEC for a 184 kW system.

Yarmouth, Williams Building Company - \$7,560

- Commonwealth Solar rebate from the MassCEC for a 5 kW system.

Statewide ARRA Initiatives

- **\$3.3 million** of ARRA funding was provided to the Division of Capital Asset Management for addition staffing resources to dramatically increase energy projects at state facilities. The funding is expected to leverage nine projects in Southeastern Massachusetts. To date, the following leveraged projects are underway:
 - 600 kW wind turbine at University of Massachusetts Dartmouth

- Comprehensive Energy Conservation Project at University of Massachusetts Dartmouth
 - Comprehensive Energy Conservation Project at two Department of Developmental Services Facilities, including Wrentham Developmental Center
 - Comprehensive Energy Conservation Project at various Department of Mental Health facilities, including Taunton State Hospital, Brockton Multi Service Center, Corrigan Mental Health Center in Fall River, and Pocasset Mental Health Center
 - Comprehensive Energy Conservation Project at three Department of Public Health Hospitals, including Massachusetts Hospital School in Canton
 - Comprehensive Energy Conservation Project at Massasoit Community College in Brockton.
- **\$825,000** of ARRA funding was awarded through the Department of Energy Resources' (DOER) Green Communities Division to provide technical assistance consulting services to Massachusetts municipalities for energy efficiency and renewable energy projects. This includes \$125,000 of technical assistance awarded to **four municipalities in the Southeast Region**.
 - **\$8 million** of ARRA funding was provided to the MassCEC to install 8 MW of solar capacity across the Commonwealth, leveraging \$32 million of additional funding. **This includes 40 projects in Southeastern Massachusetts.**
 - **\$8.2 million** of ARRA funding was provided through the Department of Energy Resources to the Division of Capital Asset Management (DCAM) and other state entities to support a comprehensive solar stimulus effort that will install nearly 4 megawatts (MW) of solar PV capacity at state facilities. **This includes five projects in Southeastern Massachusetts listed above.**
 - **\$10 million** of ARRA funding is being used by the Department of Energy Resources to implement an Enterprise Energy Management System to measure real-time energy use and identify efficiency opportunities at more than 400 buildings, covering 17 million square feet of state government facilities. This is expected to yield energy savings between 5 percent and 15 percent. **This includes five complexes in Southeastern Massachusetts listed above.**
 - **\$175,000** of ARRA funding was awarded by the Department of Energy Resources' Green Communities Division to provide building energy code training to all municipal building code officials at no cost. Southeast Massachusetts municipalities have been participating in this training.
 - **\$500,000** of ARRA funding was invested by the Department of Energy Resources' Green Communities Division in the development and implementation of an online tool known as MassEnergyInsight (MEI) available to all 351 municipalities at no cost to track their energy consumption and costs. This tool allows municipalities to make more informed decisions related to their energy needs. Southeast Massachusetts municipalities have been trained on the tool and are actively using it.

